

What is claimed is:

1. A recording method for recording on a recording medium, comprising the steps of:

5       positioning a sensor in a one edge side in a movement direction of said sensor;

          carrying said recording medium in a predetermined direction up to a detection position where said sensor detects said recording medium;

10       after bringing said sensor in a state in which said sensor does not detect said recording medium, moving said sensor toward another edge side opposite to said one edge side until said sensor detects said recording medium; and

          if said sensor detects said recording medium:

15       obtaining a leading distance by which an upper edge of said other edge side, being one of an upper right edge and an upper left edge of said recording medium, leads an upper edge of said one edge side based on

          a carrying distance of said recording medium  
20       that is necessary for said sensor that has been brought into the state in which said sensor does not detect said recording medium to again detect the upper edge of said recording medium at said one edge side and

25       a movement distance of when said sensor has moved from said one edge side to a position at which said sensor detects said recording medium; and  
          carrying said recording medium by an amount that corresponds to said leading distance.

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2. A recording method according to claim 1, wherein:

said sensor is brought into the state in which said sensor does not detect said recording medium by lowering a detection sensitivity of said sensor.

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3. A recording method according to claim 1, wherein:

said sensor is brought into the state in which said sensor does not detect said recording medium by carrying said recording medium by a predetermined amount from said detection position in  
10 a direction opposite to said predetermined direction.

4. A recording method according to claim 1, wherein:

if said sensor that has been brought into the state in which said sensor does not detect said recording medium did not detect  
15 said recording medium while moving from said one edge side to said other edge side, then said recording medium is carried from said detection position by a predetermined amount in said predetermined direction.

20 5. A recording method according to claim 1, wherein:

if said sensor that has been brought into the state in which said sensor does not detect said recording medium detects said recording medium while moving from said one edge side to said other edge side, then:

25 a skew angle of said recording medium in a direction intersecting said movement direction of said sensor is obtained based on

the carrying distance of said recording medium that is necessary for said sensor that has been  
30 brought into the state in which said sensor does not

detect said recording medium to again detect the upper edge of said recording medium at said one edge side and

the movement distance of when said sensor has moved from said one edge side to the position at which said sensor detects said recording medium; and

the leading distance by which the upper edge of said other edge side, being one of the upper right edge and the upper left edge of said recording medium, leads the upper edge of said one edge side is obtained based on said skew angle and a width of said recording medium.

6. A recording method according to claim 1, wherein:

said sensor moves in said movement direction together with a recording head.

7. A recording method according to claim 1, wherein:

said sensor comprises a light-emitting member for emitting light and a light-receiving member for receiving light emitted by said light-emitting member, and detects said recording medium based on an output value of said light-receiving member.

8. A recording method according to claim 6, wherein:

said recording head carries out recording with respect to an entire surface of said recording medium.

9. A recording method for recording on a recording medium, comprising the steps of:

dividing a movement direction of a sensor into a plurality of sectors and positioning said sensor in a one edge side in said

movement direction;

carrying said recording medium in a predetermined direction up to a detection position where said sensor detects said recording medium;

5 after bringing said sensor in a state in which said sensor does not detect said recording medium, moving said sensor toward another edge side opposite to said one edge side until said sensor detects said recording medium; and

if said sensor detects said recording medium:

10 obtaining a leading distance by which an upper edge of said other edge side, being one of an upper right edge and an upper left edge of said recording medium, leads an upper edge of said one edge side according to which sector, in said movement direction, said sensor detected said recording medium in; and

15 carrying said recording medium by an amount that corresponds to said leading distance.

10. A recording method according to claim 9, wherein:

20 said sensor is brought into the state in which said sensor does not detect said recording medium by lowering a detection sensitivity of said sensor.

11. A recording method according to claim 9, wherein:

25 said sensor is brought into the state in which said sensor does not detect said recording medium by carrying said recording medium by a predetermined amount from said detection position in a direction opposite to said predetermined direction.

30 12. A recording method according to claim 9, wherein:

if said sensor that has been brought into the state in which said sensor does not detect said recording medium did not detect said recording medium while moving from said one edge side to said other edge side, then said recording medium is carried from said  
5 detection position by a predetermined amount in said predetermined direction.

13. A recording method according to claim 9, wherein:  
said sensor moves in said movement direction together with  
10 a recording head.

14. A recording method according to claim 9, wherein:  
said sensor comprises a light-emitting member for emitting light and a light-receiving member for receiving light emitted  
15 by said light-emitting member, and detects said recording medium based on an output value of said light-receiving member.

15. A recording method according to claim 13, wherein:  
said recording head carries out recording with respect to  
20 an entire surface of said recording medium.

16. A recording apparatus for recording on a recording medium, comprising:  
a movable sensor for detecting said recording medium;  
25 a carrying mechanism for carrying said recording medium in a direction intersecting a movement direction of said sensor;  
wherein;  
said sensor is positioned in a one edge side in said movement direction of said sensor;  
30 said carrying mechanism carries said recording medium in

a predetermined direction up to a detection position where said sensor detects said recording medium;

after bringing said sensor in a state in which said sensor does not detect said recording medium, said sensor is moved toward  
 5 another edge side opposite to said one edge side until said sensor detects said recording medium; and

if said sensor detects said recording medium:

10 a leading distance by which an upper edge of said other edge side, being one of an upper right edge and an upper left edge of said recording medium, leads an upper edge of said one edge side is obtained based on

15 a carrying distance of said recording medium that is necessary for said sensor that has been brought into the state in which said sensor does not detect said recording medium to again detect the upper edge of said recording medium at said one edge side and

20 a movement distance of when said sensor has moved from said one edge side to a position at which said sensor detects said recording medium; and  
 said carrying mechanism carries said recording medium by an amount that corresponds to said leading distance.

17. A recording apparatus for recording on a recording medium,  
 25 comprising:

a movable sensor for detecting said recording medium;

a carrying mechanism for carrying said recording medium in a direction intersecting a movement direction of said sensor;  
 wherein;

30 said movement direction of said sensor is divided into a

plurality of sectors, and said sensor is positioned in a one edge side in said movement direction;

said carrying mechanism carries said recording medium in a predetermined direction up to a detection position where said  
5 sensor detects said recording medium;

after bringing said sensor in a state in which said sensor does not detect said recording medium, said sensor is moved toward another edge side opposite to said one edge side until said sensor detects said recording medium; and

10 if said sensor detects said recording medium:

a leading distance by which an upper edge of said other edge side, being one of an upper right edge and an upper left edge of said recording medium, leads an upper edge of said one edge side is obtained according to which sector,  
15 in said movement direction, said sensor detected said recording medium in; and

said carrying mechanism carries said recording medium by an amount that corresponds to said leading distance.

20 18. A computer-readable medium for causing a recording apparatus to operate, comprising:

a code for positioning a sensor in a one edge side in a movement direction of said sensor;

a code for carrying said recording medium in a predetermined  
25 direction up to a detection position where said sensor detects said recording medium;

a code for moving said sensor toward another edge side opposite to said one edge side until said sensor detects said recording medium after bringing said sensor in a state in which  
30 said sensor does not detect said recording medium; and

a code for:

obtaining a leading distance by which an upper edge of said other edge side, being one of an upper right edge and an upper left edge of said recording medium, leads an upper edge of said one edge side based on

a carrying distance of said recording medium that is necessary for said sensor that has been brought into the state in which said sensor does not detect said recording medium to again detect the upper edge of said recording medium at said one edge side and

a movement distance of when said sensor has moved from said one edge side to a position at which said sensor detects said recording medium; and

carrying said recording medium by an amount that corresponds to said leading distance if said sensor detects said recording medium.

19. A computer-readable medium for causing a recording apparatus to operate, comprising:

a code for dividing a movement direction of a sensor into a plurality of sectors and positioning said sensor in a one edge side in said movement direction;

a code for carrying said recording medium in a predetermined direction up to a detection position where said sensor detects said recording medium;

a code for moving said sensor toward another edge side opposite to said one edge side until said sensor detects said recording medium after bringing said sensor in a state in which said sensor does not detect said recording medium; and

a code for:

obtaining a leading distance by which an upper edge  
of said other edge side, being one of an upper right edge  
and an upper left edge of said recording medium, leads an  
5 upper edge of said one edge side according to which sector,  
in said movement direction, said sensor detected said  
recording medium in; and

carrying said recording medium by an amount that  
corresponds to said leading distance

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if said sensor detects said recording medium.